

III. In the Claims.

1. Please amend claim 7.

1. [Previously Amended] A shaft comprising:
an outer member having an inner surface describing a bore;
an inertial member having a predetermined mass disposed within the bore and having an outer surface;
an elastomeric member compressed between the outer member inner surface and the inertial member outer surface for damping a shaft vibration; and
the outer surface further comprising an arcuate surface having shape selected to accommodate a damping requirement by determining an elastomer stiffness and which arcuate surface mechanically retains the inertial member within the elastomeric member.

2. [Previously Cancelled].

3. [Previously Amended] The shaft as in claim 1, wherein the elastomeric member is compressed in a range of 5% to 50% of an uncompressed thickness between the inner surface and the outer surface.

4. [Previously Amended] The shaft as in claim 1, wherein the inertial member damps a bending vibration.

5. [Original] The shaft as in claim 1, wherein the inertial member further comprises a groove extending parallel to a shaft centerline.

6. [Previously Amended] The shaft as in claim 1 further comprising;
a plurality of inertial members engaged with a plurality of elastomeric members.

7. [Amended] A shaft damper comprising:

an inertial member having an outer surface;

an elastomeric member engaged with the outer surface; and

the elastomeric member having an outer surface for engaging a shaft bore surface, the elastomeric member compressed between the outer member inner surface and the inertial member outer surface; and

the outer surface further comprising an arcuate surface having shape selected to accommodate a damping requirement by determining an elastomer stiffness and which arcuate surface mechanically retains the inertial member within the elastomeric member.

8. [Previously Cancelled].

9. [Previously Amended] The shaft damper as in claim 7, wherein the outer surface further comprises a groove extending parallel to an inertial member centerline.

10. [Previously Cancelled].

11. [Previously Cancelled].

12. [Previously Cancelled].

13. [Previously Cancelled].

14. [Previously Cancelled].

15. [Previously Cancelled].